Electronic Version
Stylesheet Version v1.1.1

Claims

[c1] A method of assembling an electrical connector and a cable, the connector including an insulative housing defining a plurality of cavities each adapted to receive a corresponding electrical terminal therein and a latching member, the cable including a plurality of wires, the method comprising the steps of:
extending wires of the cable though channels of the latching member;
attaching electrical terminals to the wires of the cable;
inserting the terminals into the cavities of the housing; and
securing the latching member to the housing for locating the terminals in the cavities.

[c2] The method as claimed in claimed 1, wherein the latching member comprises a base plate, and a plurality of silos extending from the base plate.

[c3] The method as claimed in claim 2, wherein the base plate comprises a plurality of latches provided thereon.

[c4] The method as claimed in claim 3, wherein the housing comprises a plurality of blocks provided thereon, the

blocks engaging with the latches of the latching member.

[c5] The method as claimed in claim 2, wherein each of the silos of the latching member is in alignment with a corresponding cavity of the housing and can be inserted into the cavity when the latching member is secured to the housing.

[c6] The method as claimed in claim 5, wherein the silo comprises a central channel extending therethrough, a diameter of the channel is slightly larger than that of the wire.

[c7] The method as claimed in claim 1, wherein each of the terminals comprises a connecting portion having a plurality of clasps for fastening a corresponding wire of the cable.

[c8] The method as claimed in claim 7, wherein the clasps comprise a pair of first clasps secured to a conductor of the wire.

[c9] The method as claimed in claim 7, wherein the clasps comprise a pair of second clasps secured to an outer jacket of the wire.

[c10] An electrical connector adapted to be connected with a cable, the electrical connector comprising:

an insulative housing defining a plurality of cavities;
a plurality of electrical terminals received in corresponding cavities of the housing, each of the terminals having a connecting portion adapted to connect to a corresponding wire of the cable before the wire is inserted into a corresponding cavity of the housing;
a latching member attached to the housing, the latching member including a base portion, and a plurality of silos extending from the base portion and inserted into corresponding cavities of the housing; and
wherein each of the silos defines a channel therethrough, the channel having a diameter slightly greater than a diameter of a corresponding wire, whereby the wire can be extended through and located in the latching member prior to connection of the corresponding terminal to the wire.

[c11] The electrical connector as claimed in claim 10, wherein the housing comprises a base and a plurality of silos extending from the base, and each of the cavities comprises a narrower portion in a corresponding silo and a broader portion in the base, whereby a shoulder is defined where the narrower portion adjoins the broader portion.

[c12] The electrical connector as claimed in claim 11, wherein each of the terminals comprises a securing portion hav-

ing a pair of first spring arms pressing inner walls of a corresponding silo in the narrower portion thereof, and a pair of second spring arms abutting a corresponding shoulder.

[c13] The electrical connector as claimed in claim 10, wherein the base portion of the latching member comprises a plurality of latches, and each of the latches engages with a corresponding block provided on the housing.

[c14] An electrical connector comprising:
an insulative housing;
a plurality of cavities extending through the housing along a front-to-back direction;
a plurality of terminals received in the corresponding cavities, respectively;
a latching member attached to a rear portion of the housing and including a base with a plurality of silos extending forwardly therefrom into the corresponding cavities, respectively, each of said silos defining an inner channel axially; and
a plurality of wires forwardly extending through the corresponding channels, respectively, each of said wires including an outer jacket and an inner conductor commonly secured to the corresponding one of said terminals; wherein
the housing includes in each of the cavities a portion

preventing forward movement of the corresponding terminal, and each of the silos includes another portion preventing rearward movement of the corresponding terminal.

[c15] The electrical connector as claimed in claim 14, wherein each of said terminal includes a connection portion on a rear end section to secure to the inner conductor and the outer jacket of the corresponding terminal, and said connection portion is dimensioned larger than the corresponding channel so that the corresponding terminal can not rearwardly move through said channel.

[c16] The electrical connector as claimed in claim 14, wherein each of said terminals are connected to the corresponding wires, respectively, only after the corresponding wires forwardly extend through the corresponding channels, respectively, from a rear face of the latching member.

[c17] The electrical connector as claimed in claim 15, wherein prevention of the rearward movement of each of the terminals results from engagement between the connection portion and the corresponding silo.